

Site: VCC-Columbus  
Break: 2.1  
Other: V-6

# **VIRGINIA CAROLINA CHEMICAL CORPORATION USEPA REGION 4 UPDATE**

ExxonMobil Global Remediation  
August 9, 2006



# Agenda

- EPA / ExxonMobil Collaboration
- ExxonMobil's VCC Investigation
  - Virginia Carolina Chemical (VCC) History
  - Historical Fertilizer Manufacturing Process
- Higher Vulnerability Sites
- Next Steps

# EPA & ExxonMobil Collaboration

- 2000 letter agreement / initiative frames 3 concepts
  - EPA and ExxonMobil will work cooperatively
  - Address higher vulnerability sites first
  - Cleanup under non – emergency removal

# Collaboration Results

- Augusta, GA *in*
  - 130 unit public housing complex *w/ Voluntary Confirmation Blood Sampling*
  - Cleanup completed
  - *~30* months from initial discovery to completion.
- Wadesboro, NC *Began cleanup prior to framework being in place*
  - Vacant land *<10K yds<sup>2</sup>*
  - Cleanup completed
- Beaufort, SC
  - ~60 homes, condos, marina & restaurant *for next 5 years ExxonMobil*
  - Phase 1 cleanup of condos completed *Fair Market Value Protection*
  - Phase 2 single family housing and marina cleanup to start Fall 2006.
- Cleanup Plans Pending
  - Wilmington, *3 Ashley River sites*, Social Circle, & Greenville *charleston*
- Several site investigations to start

# Collaboration Results

- Address higher vulnerability sites first
- Minimize community impacts / public relations issues
  - For residential properties, ExxonMobil offers
    - Voluntary confidential blood level testing
    - Voluntary fair market house value protection
- Reduced transaction costs



**Superfund Team of the Year  
Virginia Carolina Chemical Phosphate Fertilizer Team,  
Region 4 (2005)**



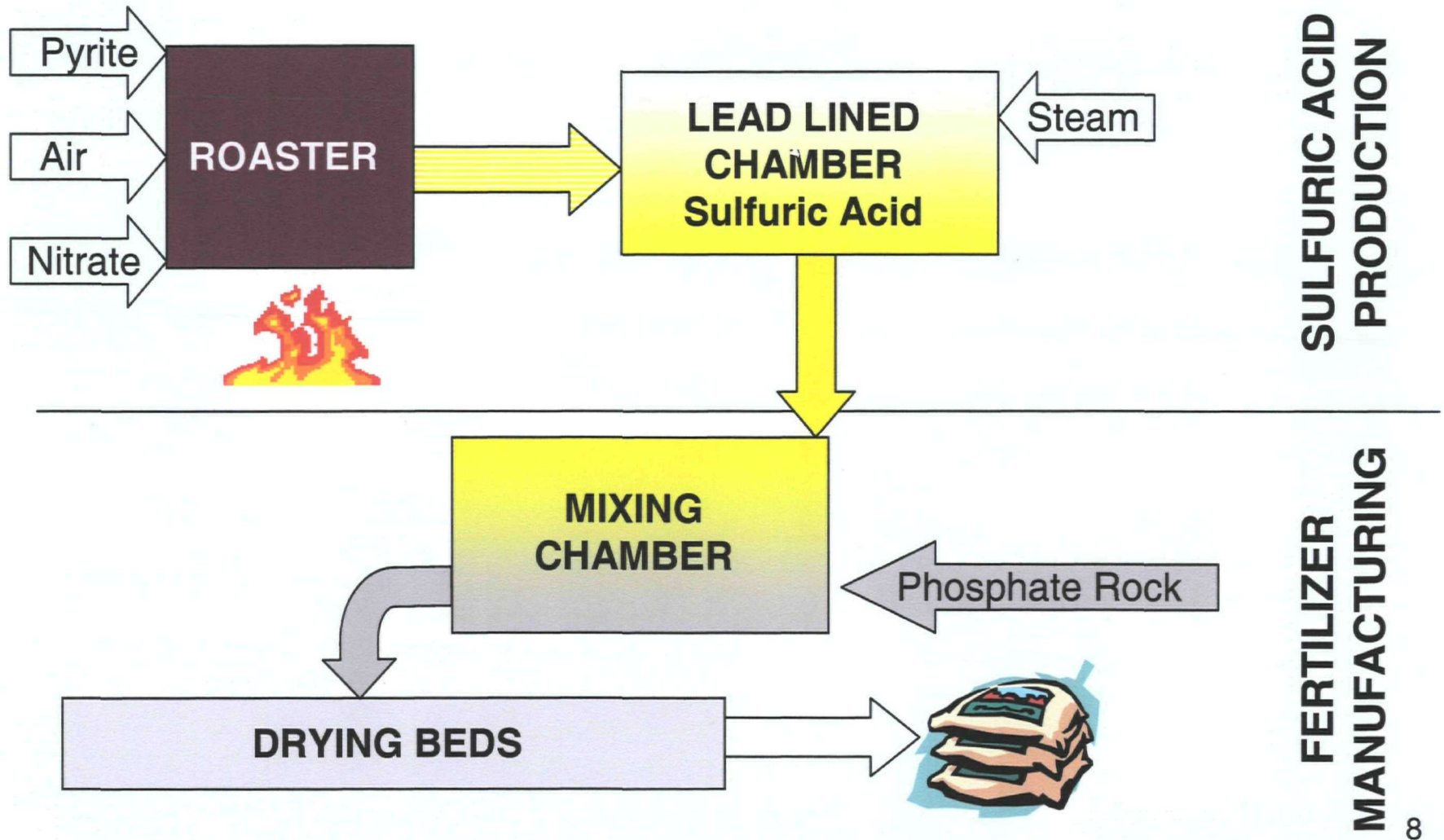
**Kevin Misenheimer, Tim Neal, Gerald Foreé, David Andrews, Ben Franco, Craig Zeller, Ken Mallary, Stephanie Y. Brown, Tiki Whitfield, Kevin Beswick, and Don Hunter**

# Virginia Carolina Chemical Corporation History

Year	Action	
1895	Virginia Carolina Chemical Company (VCC1) formed. Grew by acquisition.	Liability Discharged in Bankruptcy
1925	VCC1 forced into bankruptcy. Assets sold.	
1925	Virginia Carolina Chemical Corporation (VCC2) acquires assets from former VCC1. Grew by acquisition, building & consolidation.	ExxonMobil Liability if Waste Disposed
1963	VCC2 merges with Mobil	
1969	Remaining operating assets sold to Swift Agrichem (Beatrice)	
1999	Exxon merges with Mobil	

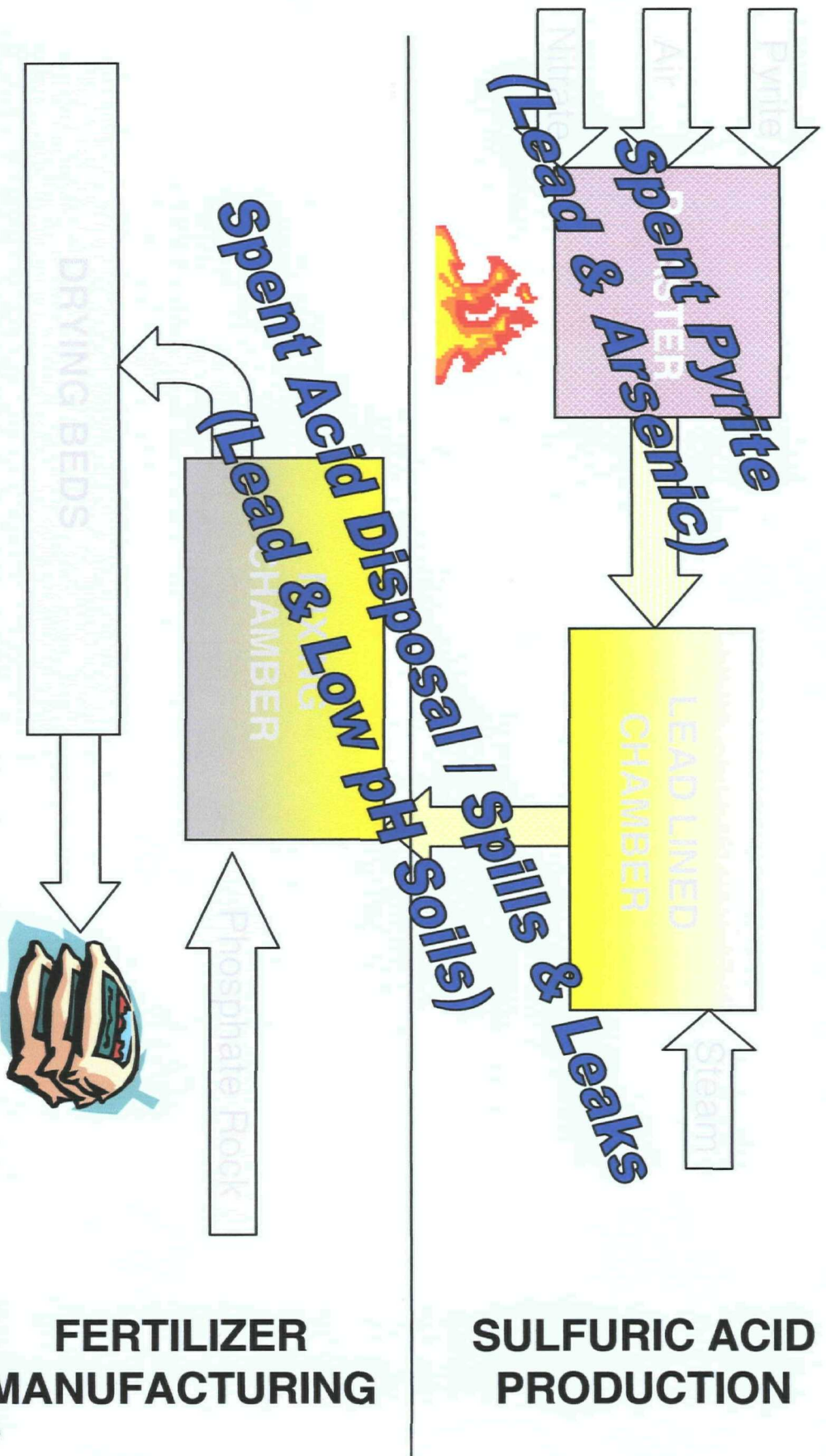


# Historical Fertilizer Manufacturing





# Contamination Sources



# ExxonMobil VCC2 Investigation

## Source Documents

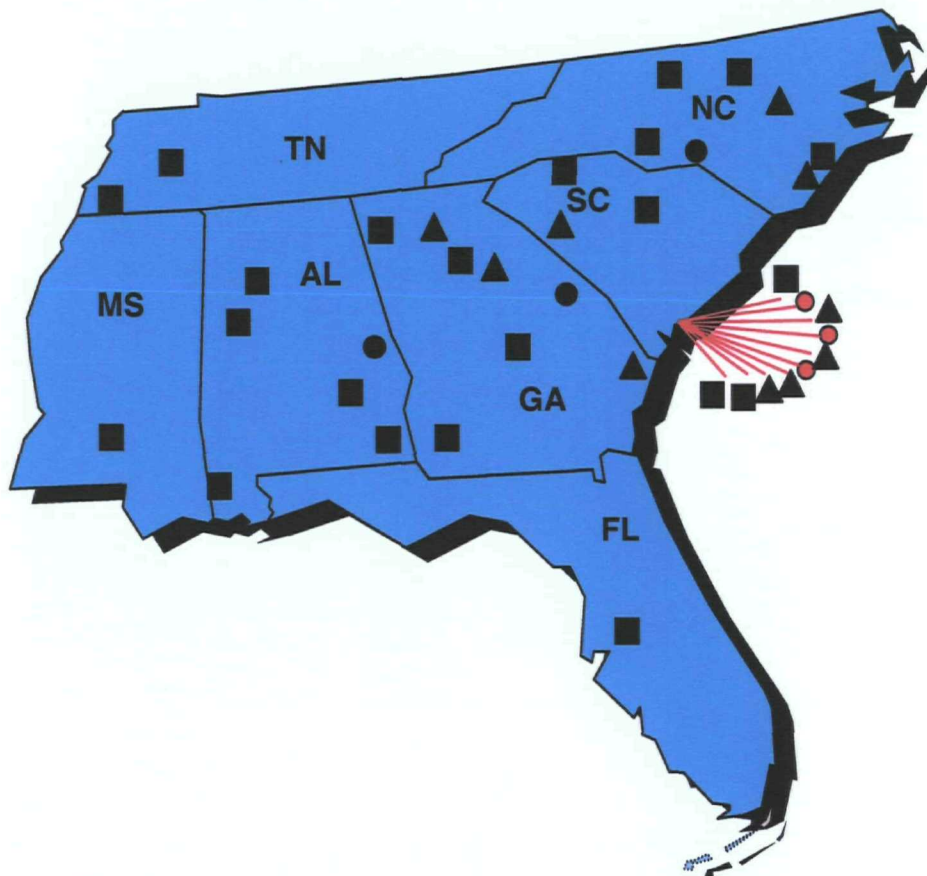
- Limited available VCC2 documentation
- Annual fertilizer facility index (1918 onward)
- Fire insurance maps
- Title documents

## Criteria Filter

- Lead Acid Chambers
- Post 1925



# VCC2 Lead Acid Plant Sites



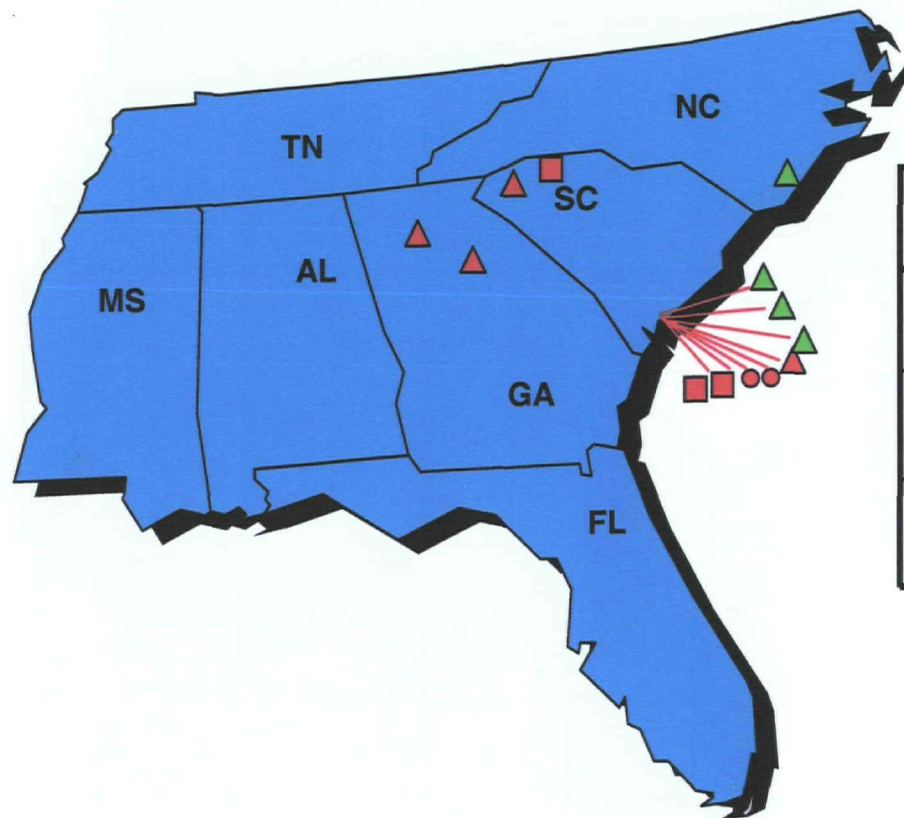
	Status	#
●	XOM Completed	3
▲	XOM / EPA Actions	10
■	EPA Listing	22
●	New Sites	3
Total		38

# New Sites Identified

<b>Site</b>	<b>Location</b>	<b>Description</b>
Berkley	Charleston, SC	Vacant – Owners addressing cleanup
Wando	Charleston, SC	Borders Ashley River, Apartments
Wapoo	Charleston, SC	Borders Ashley River, Apartments



# Higher Vulnerability Sites



Status	Residential		Ecological	
XOM Cleanup CD	▲	4	▲	4
EPA Initial Assessment	■	3		
New Sites	●	2		
	9		4	

# Higher Vulnerability Listing

Status	Location		Land Use
XOM / EPA Agreement	Ashley River (3 sites)	SC	Ecological
	Atlanta – Dekalb	GA	Lofts, apts
	Beaufort	SC	~ 60 homes, condos
	Greenville	SC	Planned church
	Social Circle	GA	~ 40 houses
	Wilmington Navassa	NC	Ecological
EPA Initial Assessment	Blacksburg	SC	~ 3 houses
	Charleston – Lambs	SC	Planned residential dev
	Ponpon	SC	~ 8 houses
New Sites	Charleston – Wando	SC	Apts
	Charleston - Wapoo	SC	Apts



# Next Steps

- Reconfirm commitments to the 2000 letter agreement / initiative
  - Work cooperatively
  - Address higher vulnerability sites first
  - Cleanup under non-emergency removal
- Start initial investigation of Wando, Wapoo, and Blacksburg
- Request assistance to move collaboration blueprint into other EPA regions